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<b>(51) International Patent Classification <sup>7</sup> :</b> <b>G01N 33/53, 33/533, 33/536, 33/567,</b> <b>C12Q 1/00</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 00/28327</b> <b>(43) International Publication Date:</b> 18 May 2000 (18.05.00)
<p><b>(21) International Application Number:</b> PCT/US99/26480</p> <p><b>(22) International Filing Date:</b> 10 November 1999 (10.11.99)</p> <p><b>(30) Priority Data:</b> 60/107,997 11 November 1998 (11.11.98) US</p> <p><b>(71) Applicant (for all designated States except US):</b> UNIVERSITY OF MARYLAND BALTIMORE [US/US]; 520 West Lombard Street, Baltimore, MD 21201-1602 (US).</p> <p><b>(72) Inventors; and</b>  <b>(75) Inventors/Applicants (for US only):</b> LAKOWICZ, Joseph, R. [US/US]; 10037 Fox Den Road, Baltimore, MD 20142 (US). GRZYCZYNSKI, Ignacy [PL/US]; 4203 Glenmore Avenue, Baltimore, MD 21206 (US). GRZYCZYNSKI, Zygmunt [PL/US]; 4713 Roundhill Road, Ellicott City, MD 21043 (US). DATTELBAUM, Jonathan, D. [US/US]; 713 S. Bethel Street, Baltimore, MD 21231 (US).</p> <p><b>(74) Agents:</b> KARTA, Glenn, E. et al.; Rothwell, Figg, Ernst &amp; Kurz, Suite 701 East, 555 13th Street N.W., Columbia Square, Washington, DC 20004 (US).</p>		<p><b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p><b>Published</b>  <i>With international search report.</i></p>
<p><b>(54) Title:</b> ANISOTROPY BASED SENSING</p>		
<p><b>(57) Abstract</b></p> <p>The present invention provides methods for the determination of the presence or concentration of an analyte based on measurements of steady state anisotropies in the presence of reference fluorophores with known anisotropies.</p>		